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Patent No. 4,845,739, which is a continuation-in-part of Application Serial No. 07/018,244, filed on February 24, 1987, and entitled "Statistical Analysis System For Use With Public Communication Facility," now U.S. Patent No. 4,792,968, which is a continuation-in-part of Application Serial No. 06/753,299, now abandoned.--

IN THE CLAIMS:

Please cancel claims 1-28.

Please add the following new claims:

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06/753,299
- 29. A telephone system of a type controllable by travel cards, comprising:
- a switching station including a switch processor capable of receiving call data from at least one dial-up communication source and a switching computer means capable of processing call data;
 - said switching computer means controlling said switch processor;
 - communication means capable of capturing call data received by said switch processor, said call data including automatic number identification and a personal identification number;
 - said communication means capturing call data at front side of the call data received by the switch processor and supplying said call data to the switching computer means, and capable of supplying processed data from switching computer means to the switching station;
 - said switching computer means capable of obtaining data for at least one parameter related to a travel card in addition to said call data for the switching computer means to act upon in processing call data and determining from said
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data from the front side of the call data and additional parameter whether the attempted call is placed by a caller in good standing in accordance with parameters for the travel card;

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said switching computer means capable of disallowing completion of a call through the switching station if determined from processing of call data and additional parameter by the switching computer means that the call is not placed by a caller in good standing; and

said switching computer means capable of interrupting and terminating said call in progress through the switch processor if said switching computer means determines by data processing that the available account status of the travel card has been reached during the call.

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30. The telephone system of the type controllable by travel cards as described in claim 29, further comprising a voice response device in electrical communication with said switch processor and said switching computer means, and capable of being in communication with at least one remote telephone, said voice response device with said switching computer means providing at least one of the following: to deliver a message to a caller using a travel card, to make a call through the telephone system, to prevent a caller using a travel card to make a call through the telephone system, to leave a message for at least one subsequent caller using a travel card to make a call through the telephone system, and to permit a caller using a travel card to make a call through the telephone system to be automatically rerouted to a call number supplied to the system by a travel card customer.

31. The telephone system of the type controllable by travel cards as described in claim 29, wherein said switch computer means performs a repeated failed attempts determination

and directs the switching station through the communication means to prevent repeated attempts to enter the telephone system from a particular dial-up communication source by using a series of invalid personal identification numbers with a predetermined period of time.

32. The telephone system of the type controllable by travel cards as described in claim 29, further comprising monitoring computer means electrically connected to said switching computer means and capable of storing call data, and a data storage server means electrically connected to the monitoring computer means and capable of access by travel card customers of the telephone system to provide current billing information to travel card customers.

33. The telephone system of the type controllable by travel cards as described in claim 29, further comprising a voice response means being capable of communication with said switching computer means and in dial-up communication with callers to the telephone system, and capable of providing an oral report of current account status to travel card users.

34. A telephone system of the type controllable by travel cards as described in claim 29 wherein the switching computer means determines from the call data and the data of the additional parameter at least one of the following for the switching station to act upon in processing call data: account balance status of the travel card at the beginning and during calls in progress, individual use test of the same personal identification number, geographically impossible calling with the same personal identification number, and unauthorized calling by the travel card user.

35. A telephone system of the type controllable by travel cards as described in claim 29 wherein the switching station includes in addition an internal buffer capable of at least temporarily storing call data received by the switch processor, a conductor means capable of providing electrical communication of all call data from the switch processor to the buffer, and

said communication means captures call data transparent to call data transfer from the switch processor to the internal buffer.

36. A telephone system of the type controllable by travel cards as described in claim 35 wherein said communication means is electrically connected to such conductor means.

37. A telephone system of the type controllable by travel cards as described in claim 29 wherein the communication means includes a port in the switch processor.

38. A method of handling telephone calls by use of travel cards, comprising the steps of:

providing a switching station including a switch processor for receiving call data from at least one source capable of dial-up communication with said switch processor by use of a travel card and a switching computer means for processing call data received by said switch processor;

capturing call data received by said switch processor, said call data transmitted at dial-up including automatic number identification and a personal identification number;

delivering at least some captured data to said switching computer means;

supplying to said switch computer means at least one additional parameter related to the travel card to determine good standing;

processing in the switching computer means call data in relation to the received additional parameter data to determine if calls are placed and continued in good standing;

preventing connection of telephone calls if validation determines the call is not made by a caller in good standing; and

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preventing continuation of telephone calls if validation determines the call
is not continuing in good standing.

Sub D5
39. A telephone system of a type controllable by identification data,
comprising:

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a switching station including a switch processor capable of receiving call
data from at least one dial-up communication source and a switching computer
means capable of processing call data;

said switching computer means controlling said switch processor;

communication means capable of capturing call data received by said
switch processor, said call data including automatic number identification and a
personal identification number;

said communication means capturing call data at the front side of the call
data received by the switch processor and supplying said call data to the switching
computer means, and capable of supplying processed data from the switching
computer means to the switching station;

said switching computer means capable of obtaining data for at least one
parameter related to the identification data in addition to said call data for the
switching computer means to act upon in processing call data and determining
from said data from the front side of the call data and additional parameter
whether the attempted call is placed by a caller in good standing in accordance
with parameters associated with the identification data;

said switching computer means being capable of disallowing completion
of a call through the switching station if it is determined from processing of the

00364731-073059

call data and the additional parameter by the switching computer means that the call is not placed by a caller in good standing; and

said switching computer means being capable of interrupting and terminating said call in progress through the switch processor if said switching computer means determines by data processing that the available account status associated with the identification data has been reached during the call.

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40. The telephone system of the type controllable by identification data as described in claim 39, further comprising a voice response device in electrical communication with said switch processor and said switching computer means, and capable of being in communication with at least one remote telephone, said voice response device with said switching computer means providing at least one of the following: to deliver a message to a caller, to make a call through the telephone system, and to prevent a caller making a call through the telephone system.

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41. The telephone system of the type controllable by identification data as described in claim 39, wherein said switch computer means performs a repeated failed attempts determination and directs the switching station through the communication means to prevent repeated attempts to enter the telephone system from a particular dial-up communication source by using a series of invalid personal identification numbers with a predetermined period of time.

42. The telephone system of the type controllable by identification data as described in claim 39, further comprising monitoring computer means electrically connected to said switching computer means and capable of storing call data, and a data storage server means electrically connected to the monitoring computer means and capable of access by customers to the telephone system to provide current billing information to customers.

SubD6) 43. The telephone system of the type controllable by identification data as described in claim 39, further comprising a voice response means being capable of communication with said switching computer means and in dial-up communication with callers to the telephone system, and capable of providing an oral report of current account status card users.

A2 44. A telephone system of the type controllable by identification data as described in claim 39 wherein the switching computer means determines from the call data and the data of the additional parameter at least one of the following for the switching station to act upon in processing call data: unauthorized calling by the user.

SubD7) 45. A telephone system of the type controllable by identification data as described in claim 39 wherein the switching station includes in addition an internal buffer capable of at least temporarily storing call data received by the switch processor, a conductor means capable of providing electrical communication of all data from the switch processor to the buffer, and said communication means captures call data transparent to call data transfer from the switch processor to the internal buffer.

46. A telephone system of the type controllable by identification data as described in claim 45 wherein said communication means is electrically connected to such conductor means.

47. A telephone system of the type controllable by identification data as described in claim 39 wherein the communication means includes a port in the switch processor.

48. A method of handling telephone calls by use of identification data, comprising the steps of:

providing a switching station including a switch processor for receiving call data from at least one source capable of dial-up communication with said

switch processor by use of identification data and a switching computer means for processing call data received by said switch processor;

capturing call data received by said switch processor, said call data transmitted at dial-up including automatic number identification and a personal identification number;

delivering at least some captured data to said switching computer means;

supplying to said switch computer means at least one additional parameter related to the identification data to determine good standing;

processing in the switching computer means call data in relation to the received additional parameter data to determine if calls are placed and continued in good standing;

preventing connection of telephone calls if validation determines the call is not made by caller in good standing; and

preventing continuation of telephone calls if validation determines the call is not continuing in good standing.--

REMARKS

Newly presented claims 29-48 have been presented in order to support this request for Declaration of Interference Under 35 USC §135 and 37 CFR §1.607.¹ The interfering patent,

¹ Applicant wishes to make of record in this case that Applicant has filed a separate Request for Declaration of Interference Under 35 U.S.C. §135 and 37 C.F.R. §1.607. That request is based on a different specification. Although Applicant has various specifications that support the proposed Counts, he is presently pursuing them in two select, different applications to avoid being obviated from requesting an interference after the one year period has expired. At